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***Rocky Enterprise Linux 9.2 Manual Pages on command 'pthread\_self.3'***

***\$ man pthread\_self.3***

PTHREAD\_SELF(3)                      Linux Programmer's Manual                      PTHREAD\_SELF(3)

NAME

pthread\_self - obtain ID of the calling thread

SYNOPSIS

```
#include <pthread.h>

pthread_t pthread_self(void);

Compile and link with -pthread.
```

DESCRIPTION

The pthread\_self() function returns the ID of the calling thread. This is the same value that is returned in \*thread in the pthread\_create(3) call that created this thread.

RETURN VALUE

This function always succeeds, returning the calling thread's ID.

ERRORS

This function always succeeds.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

```
????????????????????????????????????????????????????????????
?Interface    ? Attribute    ? Value    ?
????????????????????????????????????????????????????????????
?pthread_self() ? Thread safety ? MT-Safe ?
????????????????????????????????????????????????????????????
```

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

## NOTES

POSIX.1 allows an implementation wide freedom in choosing the type used to represent a thread ID; for example, representation using either an arithmetic type or a structure is permitted. Therefore, variables of type `pthread_t` can't portably be compared using the C equality operator (`==`); use `pthread_equal(3)` instead.

Thread identifiers should be considered opaque: any attempt to use a thread ID other than in pthreads calls is nonportable and can lead to unspecified results.

Thread IDs are guaranteed to be unique only within a process. A thread ID may be reused after a terminated thread has been joined, or a detached thread has terminated.

The thread ID returned by `pthread_self()` is not the same thing as the kernel thread ID returned by a call to `gettid(2)`.

## SEE ALSO

`pthread_create(3)`, `pthread_equal(3)`, `pthreads(7)`

## COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.